

# Permit to Operate

**FACILITY:** S-91

**EXPIRATION DATE:** 08/31/200

**LEGAL OWNER OR OPERATOR:** MT POSO COGENERATION COMPANY

**MAILING ADDRESS:** 10000 STOCKDALE HWY SUITE 100  
BAKERSFIELD, CA 93311

**FACILITY LOCATION:** HEAVY OIL CENTRAL  
, CA

**FACILITY DESCRIPTION:**

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

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Director of Permit Services

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-91-0-1

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

## **PERMIT UNIT REQUIREMENTS**

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; Kern County Rule 111; and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; Kern County Rule 111; and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and Kern County Rule 201], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031 and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8 and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]

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13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1 and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2 and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3 and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4 and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and Kern County Rule 401], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

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31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Equipment covered by this permit shall at all times be maintained in good working order and be operated as efficiently as possible so to minimize air pollutant emissions. [PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
39. In the event of changes in control or ownership, this Operating Permit shall be binding on new owners and operators. The applicant shall notify successor of the existence of this Operating Permit and its conditions in writing and forward a copy to the District, California Air Resources Board, and EPA. [PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
40. The applicant shall construct and operate the facility in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and District air quality regulations. [PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
41. Should additional guidance related to the June 3, 1986 PSD remand be developed, MPCC shall provide to EPA any such analysis, data or demonstration of compliance with other requirements within the time required by such guidance. [PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
42. All correspondence as required by this Operating Permit shall be forwarded to: the District; Director, Air & Toxics Div. (Attn: A-3-3), EPA Region 9, 75 Hawthorne St. San Francisco, CA 94105; and Director, Stationary Source Div., CARB, Box 2815, Sacramento, CA 95812. [PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
43. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
44. All wells using steam produced by this facility shall be listed on Macpherson Oil Company permit S-1703-134. [District NSR Rule], [Federally Enforceable Through Title V]
45. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68], [Federally Enforceable Through Title V]
46. The lead content of the fuel shall be monitored such that the lead emissions from the facility do not exceed the PSD significance level of 0.6 TPY. The facility is required to demonstrate, at least annually, that lead emissions are below the PSD significance level. [PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
47. On April 28, 2000, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-91-1-4

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

COAL/PETROLEUM COKE RECEIVING, HANDLING AND STORAGE OPERATION

## **PERMIT UNIT REQUIREMENTS**

1. Operation shall include two receiving hoppers in drive through enclosure with automatically closing doors at entrance, Lot Sonic Development automatically activated ST-47 Dry Fog dust suppression system with 58 nozzles and dust curtains at exit. [District NSR Rule], [Federally Enforceable Through Title V]
2. Operation shall include two enclosed under hopper vibrating feeders and one "en-masse" conveyor with magnetic separator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Operation shall include coal/petroleum coke storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and two coal/petroleum coke storage day bins each with bin vent filter and exhaust fan. [District NSR Rule], [Federally Enforceable Through Title V]
5. Operation shall include petroleum coke unloading hopper and transfer conveyor. [District NSR Rule], [Federally Enforceable Through Title V]
6. Petroleum coke unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [District NSR Rule], [Federally Enforceable Through Title V]
7. Operation shall include Mikro-Pulseaire jet dust collector with 60 HP fan serving vibrating feeders, magnetic separator, silo and day bin bucket elevators, silo, ring crusher, "en masse" and petroleum coke transfer conveyors and day bins. [District NSR Rule], [Federally Enforceable Through Title V]
8. Truck receiving hopper enclosure shall be fully closed when trucks are in unloading position and spray nozzles shall be automatically activated at or prior to unloading. [District NSR Rule], [Federally Enforceable Through Title V]
9. All coal/petroleum coke conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District NSR Rule], [Federally Enforceable Through Title V]
10. All coal/petroleum coke storage silos shall be dust-tight (no visible emissions in excess of 0% opacity) and shall vent only to fabric collector. [District NSR Rule], [Federally Enforceable Through Title V]
11. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
12. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District NSR Rule], [Federally Enforceable Through Title V]
13. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity) provisions to return collected material to process equipment. [District Rule 2201]
14. Each fabric collector shall automatically activate whenever process equipment served is activated. [District NSR Rule], [Federally Enforceable Through Title V]
15. All fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District NSR Rule], [Federally Enforceable Through Title V]
16. Mikro-Pulseaire filter shall have 1696 sq. ft. of filtering area (144- 10 ft. long x 4.5 in. diameter bags). [District NSR Rule], [Federally Enforceable Through Title V]
17. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District NSR Rule], [Federally Enforceable Through Title V]
18. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District NSR Rule], [Federally Enforceable Through Title V]
19. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District NSR Rule], [Federally Enforceable Through Title V]

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20. There shall be no visible emissions in excess of 5% opacity at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District NSR Rule], [Federally Enforceable Through Title V]
21. Coal/petroleum coke handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District NSR Rule], [Federally Enforceable Through Title V]
22. Coal/petroleum coke shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District NSR Rule], [Federally Enforceable Through Title V]
23. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District NSR Rule], [Federally Enforceable Through Title V]
24. Total time of fuel unloading at this permit unit and permit unit S-91- 9-1 together shall not exceed 8 aggregate hours/day. [District NSR Rule], [Federally Enforceable Through Title V]
25. Permittee shall maintain a daily record of the hours of operation of fuel unloading at the enclosed truck receiving hoppers and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. All transfer points, coal/petroleum coke silo and day bins shall vent only to Mikro-Pulseaire bin vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
27. All roadways, driveways and vehicular work areas shall be surfaced and maintained with SC asphalt paving. [District NSR Rule], [Federally Enforceable Through Title V]
28. PM-10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
29. PM-10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
30. Fabric collection systems shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
32. Visible emissions from the operation shall be checked and record results quarterly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
33. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-91-2-2

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

LIMESTONE STORAGE, HANDLING AND RECEIVING OPERATION INCLUDING 39,900 GALLON STORAGE SILO WITH FABRIC COLLECTOR AND EXHAUST FAN, TWO ROTARY AIR LOCK FEEDERS, TWO WEIGH BELT FEEDERS AND TWO ROTARY AIR LOCKS

## **PERMIT UNIT REQUIREMENTS**

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1. Limestone storage silo shall be dust-tight and shall vent only to fabric collector. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Fabric collector shall be equipped with automatically activated reverse pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
  3. Fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District NSR Rule], [Federally Enforceable Through Title V]
  4. Fabric collector shall be equipped with dust-tight provisions to return collected material to limestone storage silo. [District NSR Rule], [Federally Enforceable Through Title V]
  5. Fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District NSR Rule], [Federally Enforceable Through Title V]
  6. Fabric collector shall have 25 - 7 ft. long x 5.75 in. diameter polyester bags. [District NSR Rule], [Federally Enforceable Through Title V]
  7. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District NSR Rule], [Federally Enforceable Through Title V]
  8. All roadways, driveways and vehicular work areas shall be surfaced and maintained with SC asphalt paving. [District NSR Rule], [Federally Enforceable Through Title V]
  9. PM-10 emission rate from this operation shall not exceed 0.00 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
  10. There shall be no detectable emissions from any source whatsoever in this permit unit. [District NSR Rule], [Federally Enforceable Through Title V]
  11. Limestone shall only be transferred into this silo only if fabric collectors are operating and functioning properly. [District NSR Rule], [Federally Enforceable Through Title V]
  12. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  13. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  14. Visible emissions from storage silo shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  15. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-91-3-6

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

49.9 MW COAL/PETROLEUM COKE FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR  
COGENERATION POWER PLANT

## **PERMIT UNIT REQUIREMENTS**

1. Operation shall include Ahlstrom Pyroflow atmospheric fluidized bed combustor incorporating low temperature staged combustion and ammonia injection (NOx control), and pulverized limestone injection (SOx control). [District NSR Rule], [Federally Enforceable Through Title V]
2. Operation shall include enclosed gravimetric belt weigh feeder discharging to fuel feed chutes and enclosed limestone volumetric feeder with air lock system. [District NSR Rule], [Federally Enforceable Through Title V]
3. Operation shall include four natural gas fired 62 MMBtu/hr Coen startup burners and two natural gas fired 23 MMBtu/hr Coen duct burners. [District NSR Rule], [Federally Enforceable Through Title V]
4. Operation shall include two fly ash recycle cyclones, air heater with two fly ash hoppers, economizer and ash handling system. [District NSR Rule], [Federally Enforceable Through Title V]
5. Operation shall include 1250 HP primary combustion air fan, 500 HP secondary combustion air fan and 150 HP multi-staged centrifugal fluidizing air blower. [District NSR Rule], [Federally Enforceable Through Title V]
6. Operation shall include 12 compartment fabric collector with 1750 HP induced draft fan, reverse air cleaning mechanism and 100 HP reverse air fan. [District NSR Rule], [Federally Enforceable Through Title V]
7. Fabric collector shall include a minimum of 134,230 sq. ft. of filtering area, fly ash hopper, with 8 KW electric heater, d.p. transmitter, capacitance type high level detector, vibrator and aeration pad. [District NSR Rule], [Federally Enforceable Through Title V]
8. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [District NSR Rule], [Federally Enforceable Through Title V]
9. Ash shall only be removed from combustion system by means authorized to Permit to Operate S-91-4. [District NSR Rule], [Federally Enforceable Through Title V]
10. Operation shall be equipped with the following indicators: combustion temperature, combustion air system pressure, primary and secondary fan air flow, ammonia injection flow, fuel use rate and limestone use rate. The MPCC shall operate and maintain instrumentation to continuously monitor and record levels of consumption of fuel, ammonia, and limestone in boiler. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
11. Each fabric collector compartment shall be equipped with access door and differential pressure indicator. [District NSR Rule], [Federally Enforceable Through Title V]
12. Fabric collector inlet shall be equipped with operational pressure indicator and high temperature alarm which activates prior to high temperature failure. [District NSR Rule], [Federally Enforceable Through Title V]
13. Fabric collector shall be equipped with automatic cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
14. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
15. Unit shall be operated as a low temperature combustor with a peak temperature range of 1550 to 1750 deg F. [District NSR Rule], [Federally Enforceable Through Title V]
16. Unit shall be operated as a staged combustion device by introducing a substoichiometric amount of combustion air into primary combustion zone. [District NSR Rule], [Federally Enforceable Through Title V]
17. Flue gas O2 content shall be maintained at a level (3%-5%) which shows compliance with all emission limits and which minimizes NOx emissions. [District NSR Rule], [Federally Enforceable Through Title V]
18. There shall be no provisions for introduction of air into combustion system or exhaust system downstream of the combustion chamber except for air utilized for cyclone center pipe supports and cooling. [District NSR Rule], [Federally Enforceable Through Title V]



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19. Combustor shall be fired only on natural gas, coal, petroleum coke, or a combination of coal and petroleum coke. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
20. No more than 1,400,000 lbs/day and 58,333 lbs/hr (on a dry basis) of solid fuel of no more than 4.0% by weight sulfur shall be introduced into the combustor. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
21. A minimum of 0.035 lbm limestone/lbm of fuel shall be introduced into the combustor. [District NSR Rule], [Federally Enforceable Through Title V]
22. Limestone shall be introduced into combustor at a rate sufficient to maintain a minimum Ca/S molar ratio of 3. [District NSR Rule], [Federally Enforceable Through Title V]
23. Ammonia breakthrough shall not result in ground level odors and exhaust stack concentrations, except during periods of start-up/shutdown, shall not exceed 20.0 ppmv based on three hour rolling average. [District NSR Rule], [Federally Enforceable Through Title V]
24. Emissions rates from boiler exhaust shall not exceed the following: PM10: 190.0 lb/day, VOC: 149.9 lb/day, NOx (as NO2): 1406.4 lb/day, SOx (as SO2): 699.4 lb/day and CO: 1207.2 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
25. Emission rate of PM-10 shall not exceed 7.92 lb/hr and 0.012 lb/MMBtu. Particulate Matter (PM) emissions shall not exceed 0.01 gr/dscf @ 12% CO2. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
26. Emission rate of SOx (as SO2) shall not exceed 25.0 lb/hr, based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
27. SOx emissions (as SO2) shall not exceed 0.04 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
28. Emission rate of oxides of nitrogen as NO2 shall not exceed 58.60 lb/hr, based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
29. NOx emissions shall not exceed 0.20 lb/MMBtu at any time, except during startup and shutdown (as defined in Rule 4352), based on a 24 hour averaging period. [District Rule 4352, 5.1], [Federally Enforceable Through Title V]
30. NOx emissions shall not exceed 0.092 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
31. Emission rate of volatile organic compounds shall not exceed 6.25 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
32. Emission rate of carbon monoxide shall not exceed 50.30 lb/hr based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
33. Except during periods of startup and shutdown (as defined in Rule 4352), the emission rate of carbon monoxide shall not exceed 400 ppmv @ 3% O2, based on a 24 hour averaging period. [District Rule 4352, 5.3], [Federally Enforceable Through Title V]
34. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved EPA test methods. [District Rule 1081, 3.0; Kern County Rule 108.1], [Federally Enforceable Through Title V]
35. Performance testing at maximum operating capacity shall be conducted annually for NOx, SOx, CO, PM-10, PM, and VOCs at the maximum operating capacity using following test methods; for NOx EPA Methods 1-4 and 7 or ARB Method 100; for SOx EPA Methods 1-4 and 6 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM(10) EPA Method 201A in combination with EPA Method 202; for PM EPA Methods 1-4 and 5; and for VOCs EPA Method 25 or 18. [District Rule 4352, 6.4; District Rule 2520, 9.4.2; PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
36. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 & PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
37. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
38. Permittee shall report the following emission exceedences to the District: SO2, NOx, and CO hourly emission rates on a three hour rolling average and daily emissions limitations. Excess emissions shall be defined as any consecutive 3-hour period during which the average emissions for CO, SO2, and NOx as measured by continuous monitoring system, exceeds the mass or concentration limit set for each pollutant. [District NSR Rule and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
39. At the time of performance testing fuel being burned shall be tested for sulfur, nitrogen, ash content and heating value. [District NSR Rule], [Federally Enforceable Through Title V]
40. Operator shall install, operate, and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NOx, SO2, CO, and NH3 concentrations. [District NSR Rule; District Rule 1080, 4.0; & PSD ATC SJ 86-09], [Federally Enforceable Through Title V]

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41. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [Kern County Rule 108; District Rule 1080, 6.5; and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
42. Operator shall install, operate, and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
43. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [Kern County Rule 108; and District Rule 1080, 7.2], [Federally Enforceable Through Title V]
44. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [Kern County Rule 108; District Rule 1080, 7.3; and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
45. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [Kern County Rule 108; District Rule 1080, 8.0; and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
46. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 2520, 9.6.1; Rule 1080, 8.0; Kern County Rule 108; and PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
47. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. [Kern County Rule 108; and District Rule 1080, 9.0], [Federally Enforceable Through Title V]
48. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [Kern County Rule 108; and District Rule 1080, 10.0], [Federally Enforceable Through Title V]
49. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District Rule 2520, 9.4.2; District Rule 4352, 6.2], [Federally Enforceable Through Title V]
50. Sulfur content of the each type of fuel shall be measured and recorded at least every calendar quarter using current ASTM Methods or shall be certified by supplier for each shipment. [District Rule 2520, 9.4.2 & PSD ATC SJ 86-09], [Federally Enforceable Through Title V]
51. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
52. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
53. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-91-4-2

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION WITH ELECTRIC MOTOR  
HORSEPOWER NOT TO EXCEED 285 HP

## **PERMIT UNIT REQUIREMENTS**

1. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District NSR Rule], [Federally Enforceable Through Title V]
2. Bottom ash discharged from surge hoppers shall be conveyed via the vacuum conveyor through the cyclone and fabric filter referenced in condition 1 and shall be collected in the bottom ash storage silo. [District NSR Rule], [Federally Enforceable Through Title V]
3. The cyclone and fabric filter referenced in condition 1 shall be served by two 60 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor (S- 91-3) secondary combustion air fan. [District NSR Rule], [Federally Enforceable Through Title V]
4. Bottom ash storage silo shall vent through bin vent fabric filter (FI527) to the fluidized bed combustor secondary combustion air fan. [District NSR Rule], [Federally Enforceable Through Title V]
5. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District NSR Rule], [Federally Enforceable Through Title V]
6. Air displaced during truck loading of bottom ash shall be ventilated back through bottom ash storage silo. [District NSR Rule], [Federally Enforceable Through Title V]
7. Fly ash collection system shall include: one 8 tph vacuum conveyor and one 310 ton fly ash storage silo with cyclone and fabric filter (FI524). [District NSR Rule], [Federally Enforceable Through Title V]
8. Fly ash shall be conveyed from the fabric filter and air heater hoppers of the fluidized bed combustor through the cyclone and fabric filter referenced in condition 7 and shall be collected in the fly ash storage silo. [District NSR Rule], [Federally Enforceable Through Title V]
9. The cyclone and fabric filter referenced in condition 7 shall be served by two 75 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor secondary combustion air fan. [District NSR Rule], [Federally Enforceable Through Title V]
10. Fly ash storage silo shall vent through bin vent fabric filter (FI525) to the fluidized bed combustor secondary combustion air fan. [District NSR Rule], [Federally Enforceable Through Title V]
11. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District NSR Rule], [Federally Enforceable Through Title V]
12. Air displaced during truck loading of fly ash shall be ventilated back through fly ash storage silo. [District NSR Rule], [Federally Enforceable Through Title V]
13. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized. [District NSR Rule], [Federally Enforceable Through Title V]
14. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District NSR Rule], [Federally Enforceable Through Title V]
15. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District NSR Rule], [Federally Enforceable Through Title V]
16. Each fabric collector authorized for this operation shall be equipped with an automatically activated reverse pulse jet cleaning mechanism and an operational differential pressure indicator across each compartment. [District NSR Rule], [Federally Enforceable Through Title V]
17. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District NSR Rule], [Federally Enforceable Through Title V]
18. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District NSR Rule], [Federally Enforceable Through Title V]

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19. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District NSR Rule], [Federally Enforceable Through Title V]
20. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule], [Federally Enforceable Through Title V]
21. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule], [Federally Enforceable Through Title V]
22. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District NSR Rule], [Federally Enforceable Through Title V]
23. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District NSR Rule], [Federally Enforceable Through Title V]
24. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity. [District NSR Rule], [Federally Enforceable Through Title V]
25. Ash shall not be transferred into silos or loaded into trucks unless fabric collectors are in use and functioning properly. [District NSR Rule], [Federally Enforceable Through Title V]
26. All roadways, driveways and vehicular work areas shall be surfaced and maintained with SC asphalt paving. [District Rule 4101]
27. PM10 emissions shall not exceed 0.00 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
28. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
30. Visible emissions from operation shall be checked and record results monthly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-91-5-1

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

24,600 GALLON WATER TREATMENT LIME STORAGE SILO INCLUDING FABRIC COLLECTOR WITH 5 HP FAN, ONE 1000 LBM/HR SILO DISCHARGE ACTIVATOR AND ONE 1000 LBM/HR ENCLOSED VOLUMETRIC FEEDER

**PERMIT UNIT REQUIREMENTS**

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1. Lime storage silo shall be dust-tight and vent only to fabric collector. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism and operational differential pressure indicator across each compartment. [District NSR Rule], [Federally Enforceable Through Title V]
  3. Fabric collector shall be equipped with dust-tight provisions to return collected material to lime storage silo. [District NSR Rule], [Federally Enforceable Through Title V]
  4. No more than 50 tons/day of lime shall be loaded into silo. [District NSR Rule], [Federally Enforceable Through Title V]
  5. Lime shall not be transferred into silo unless fabric collector is operating and functioning properly. [District NSR Rule], [Federally Enforceable Through Title V]
  6. Visible emissions from lime mixing tank shall be less than 5% in opacity. [District NSR Rule], [Federally Enforceable Through Title V]
  7. Lime silo loading operation shall not exceed 3 hr/day. [District NSR Rule], [Federally Enforceable Through Title V]
  8. PM-10 emissions shall not exceed 0.17 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
  9. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  11. Visible emissions from storage silo shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  12. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  13. Operator shall maintain records of hours of operation of limestone receiving system on monthly basis and amount of lime loaded into the silo on daily basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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**San Joaquin Valley**  
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**PERMIT UNIT:** S-91-7-1

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

CATERPILLAR MODEL 3208T 235 HP DIESEL FIRED I.C. ENGINE WITH TURBOCHARGER FOR EMERGENCY FIREWATER PUMP

**PERMIT UNIT REQUIREMENTS**

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1. The engine shall be equipped with a elapsed-time meter indicating total hours of operation. [District NSR Rule], [Federally Enforceable Through Title V]
  2. The engine shall be equipped with a positive crankcase ventilation. [District NSR Rule], [Federally Enforceable Through Title V]
  3. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The sulfur content of the diesel fuel used shall not exceed 0.05% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
  5. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. [District NSR Rule], [Federally Enforceable Through Title V]
  6. Permittee shall submit a written record of annual hours of operation of IC engine within 60 days prior to yearly permit anniversary. [District Rule 1070, 4.0], [Federally Enforceable Through Title V]
  7. Emission rates shall not exceed PM10: 1.00 gram/hp hr, SOx(as SO2): 0.17 gram/hp hr, NOx(as NO2): 5.70 gram/hp hr, VOC: 0.030 gram/hp hr, and CO: 5.3 gram/hp hr. [District NSR Rule], [Federally Enforceable Through Title V]
  8. The permittee shall maintain records of the sulfur content of the diesel fuel used (Supplier Fuel Certification or Fuel analysis by independent testing laboratory) and shall make such records readily available to District staff upon request. [District Rule 1070, 4.0], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
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**PERMIT UNIT:** S-91-8-1

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

36,000 GPM "HAMON MODEL #3374" THREE-CELL COOLING TOWER W/1450 H.P. TOTAL

## **PERMIT UNIT REQUIREMENTS**

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1. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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**San Joaquin Valley**  
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**PERMIT UNIT:** S-91-9-1

**EXPIRATION DATE:** 08/31/2004

**EQUIPMENT DESCRIPTION:**

PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

## **PERMIT UNIT REQUIREMENTS**

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1. Total time of fuel unloading at this permit unit and permit unit S-91-1-3 together shall not exceed 8 aggregate hours/day. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Total quantity of petroleum coke unloaded shall not exceed 700 tons day. [District NSR Rule], [Federally Enforceable Through Title V]
  3. Total surface area of open air petroleum coke storage area shall not exceed 0.5 acre. [District NSR Rule], [Federally Enforceable Through Title V]
  4. Petroleum coke shall have a minimum moisture content of 10% as received. [District NSR Rule], [Federally Enforceable Through Title V]
  5. Visible emissions produced during petroleum coke unloading, storage and loading shall not exceed 5% opacity for period or periods aggregating more than 3 minutes in any one hour. [District NSR Rule], [Federally Enforceable Through Title V]
  6. Permittee shall maintain a daily record of the quantity and moisture content of petroleum coke unloaded and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. Permittee shall maintain a daily record of the number of hours petroleum coke is unloaded and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. Visible emissions from storage operation shall be checked annually under environmental conditions (dry/windy) where high emissions are expected. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]



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